Na	me:	Date: Feb \	9		Hour:	21	12	
	nit 6A: Day 9 and 10: Giving and Fo			tions				
N Foo	A. Congruent figures can be made to coincide onto the other. Mapping means giving didirections below using the figure. When yo secret picture.	e (or be inthe rections to move one	Saw of the fi	by by	mapping Follow tl	he mann	ino	
	Step 1) Take pre-image ABC and reflect it				5			
	Step 2) Using the reflected image, rotate it 90°	•			4			
	Step 3) Finally, take the rotated image and trans	nslate it down.			2			
	1. Did you picture match your teacher		-5	-3 -	2 -	1 2	3 4 5	×
	2. Were these mapping directions goo	The same of the sa			*2	A		
	3. What could be done to improve the Tell what axis to Tell which direct to Tell which direct to Tell how many sported better	reflectove ovotate (c	V	I CC.	5	JNd	- (L.C.)	2
	Step 1) Reflect ABC over the x axis.				y			
	Step 2) Next, rotate your reflection 90° cor around the origin.	unterclockwise			3-	11		
	Step 3) Finally, take the rotated image and it down 5 units.	translate	P C 1	1-3-2 Mage	1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	2 3 A	CC	x

B. Practice following directions

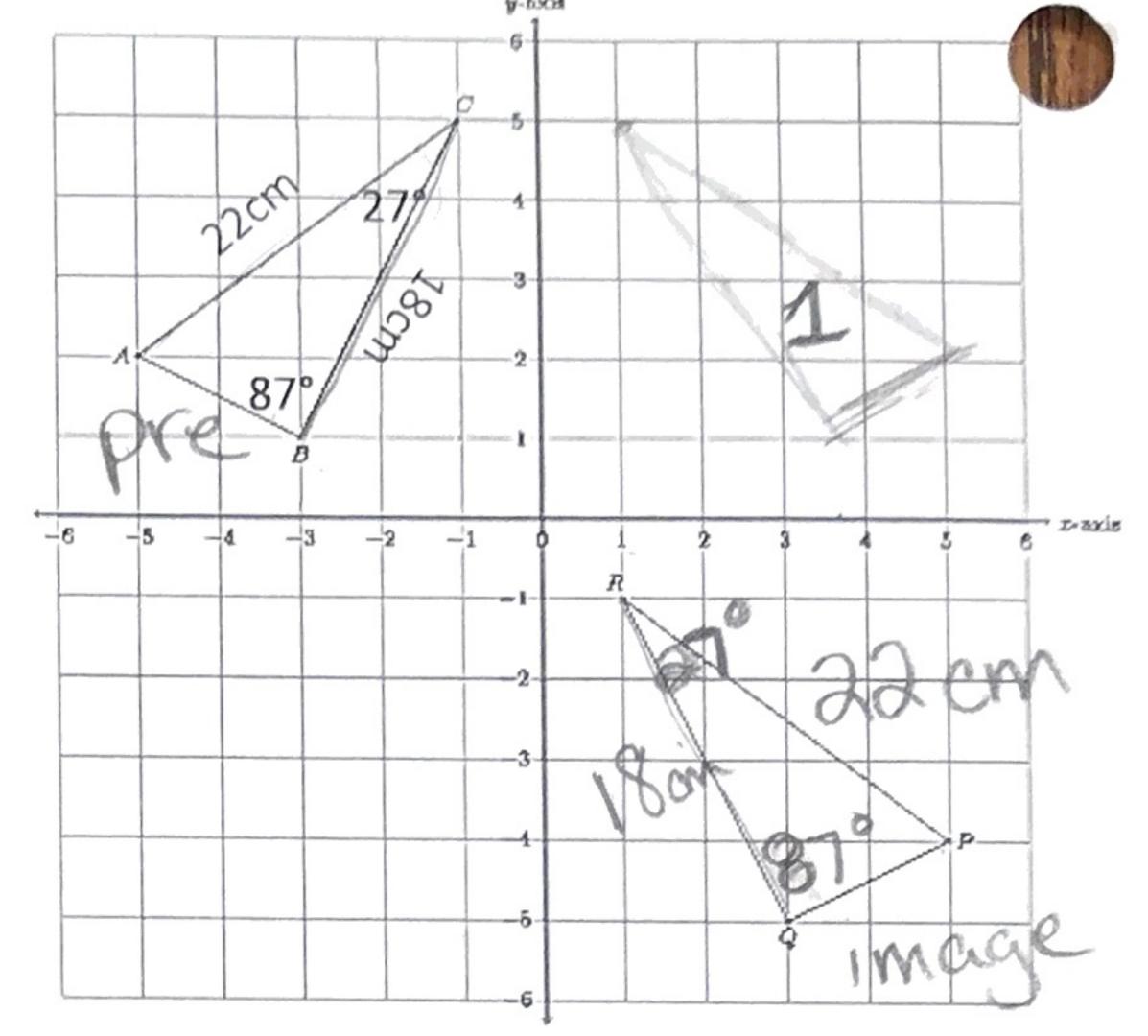
Using the directions below, show what each step would look like. Your final image should end up coinciding with a triangle.

1. Triangle ABC is the pre-image.

Step 1) Reflect triangle ABC over the y - axis.

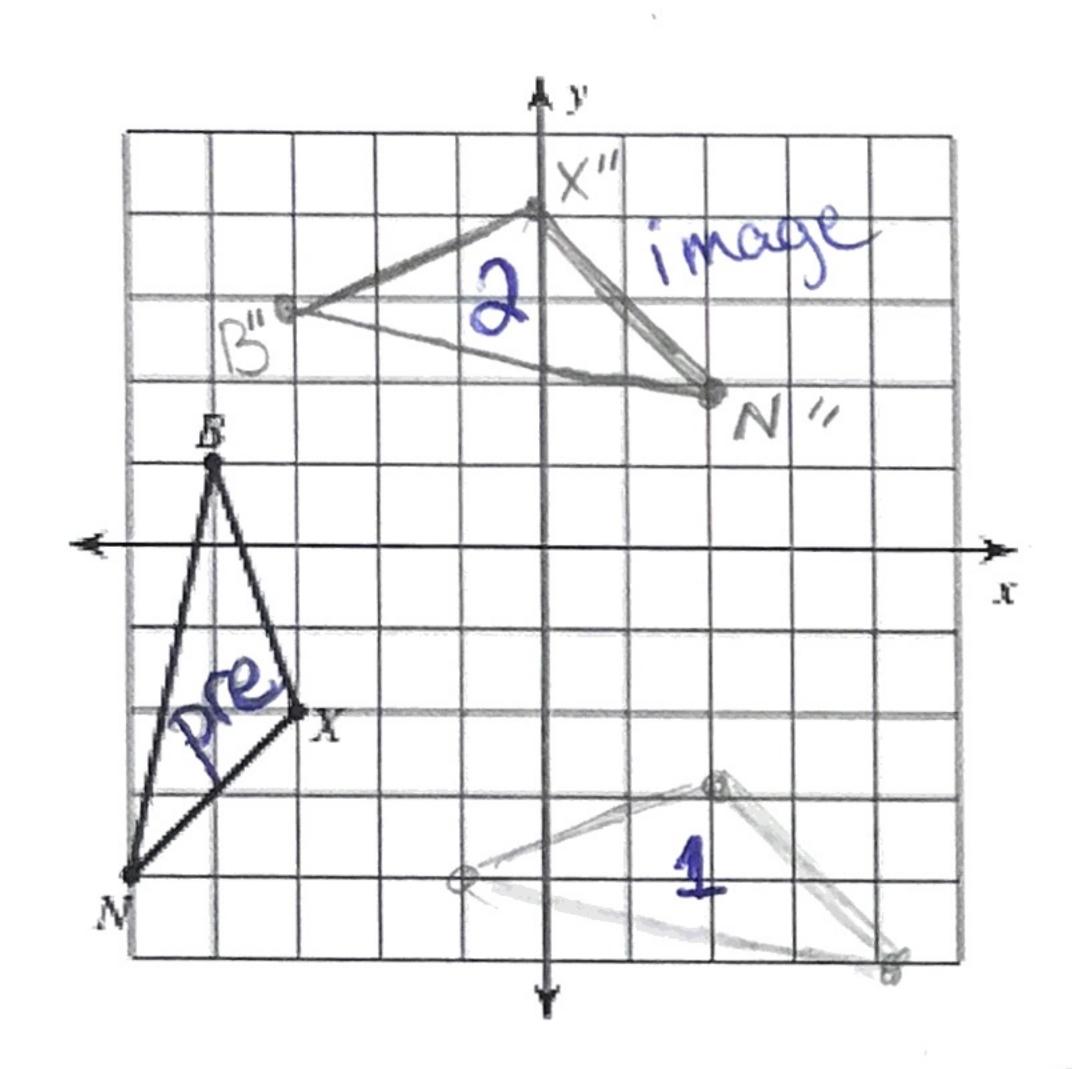
Step 2) Translate the reflected image down 6 units.

You should coincide with triangle PQR. Label its side lengths and angle measures.



2. For the picture, follow the given steps. Drawing each intermediate step is encouraged!

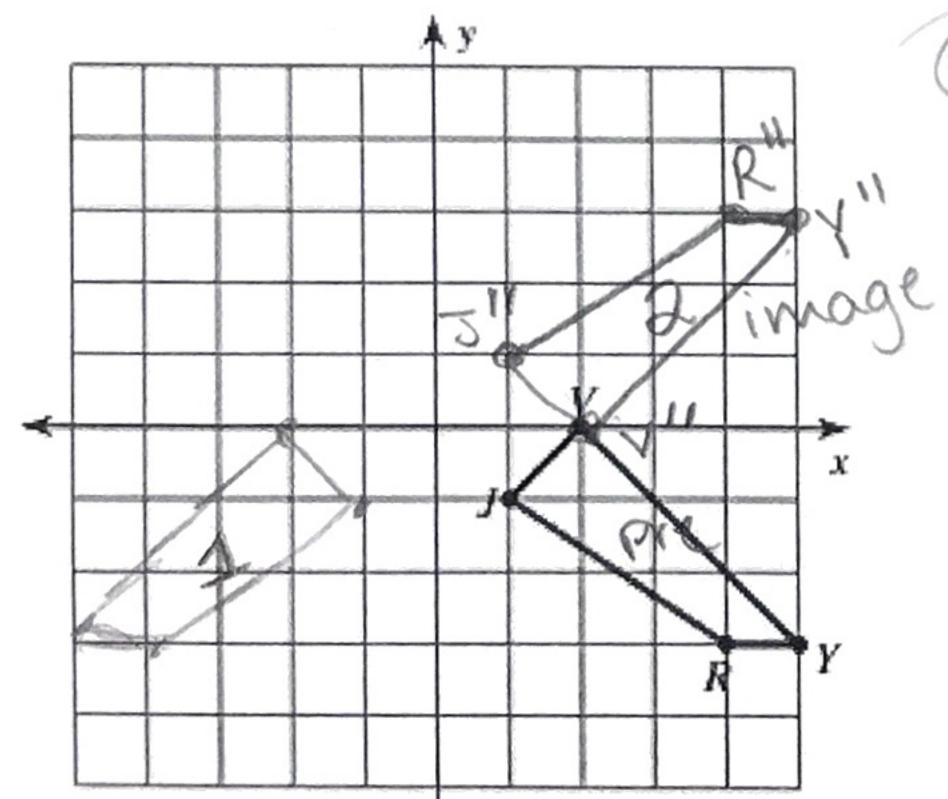
Then have the teacher determine if you followed them correctly.



Triangle BXN is the pre-image

Step 1) Rotate the triangle 90° counter-clockwise around the origin

Step 2) Translate the image left 2 units and up 7 units Label the image with correct prime notation.



3. Start at pre-image VYRJ

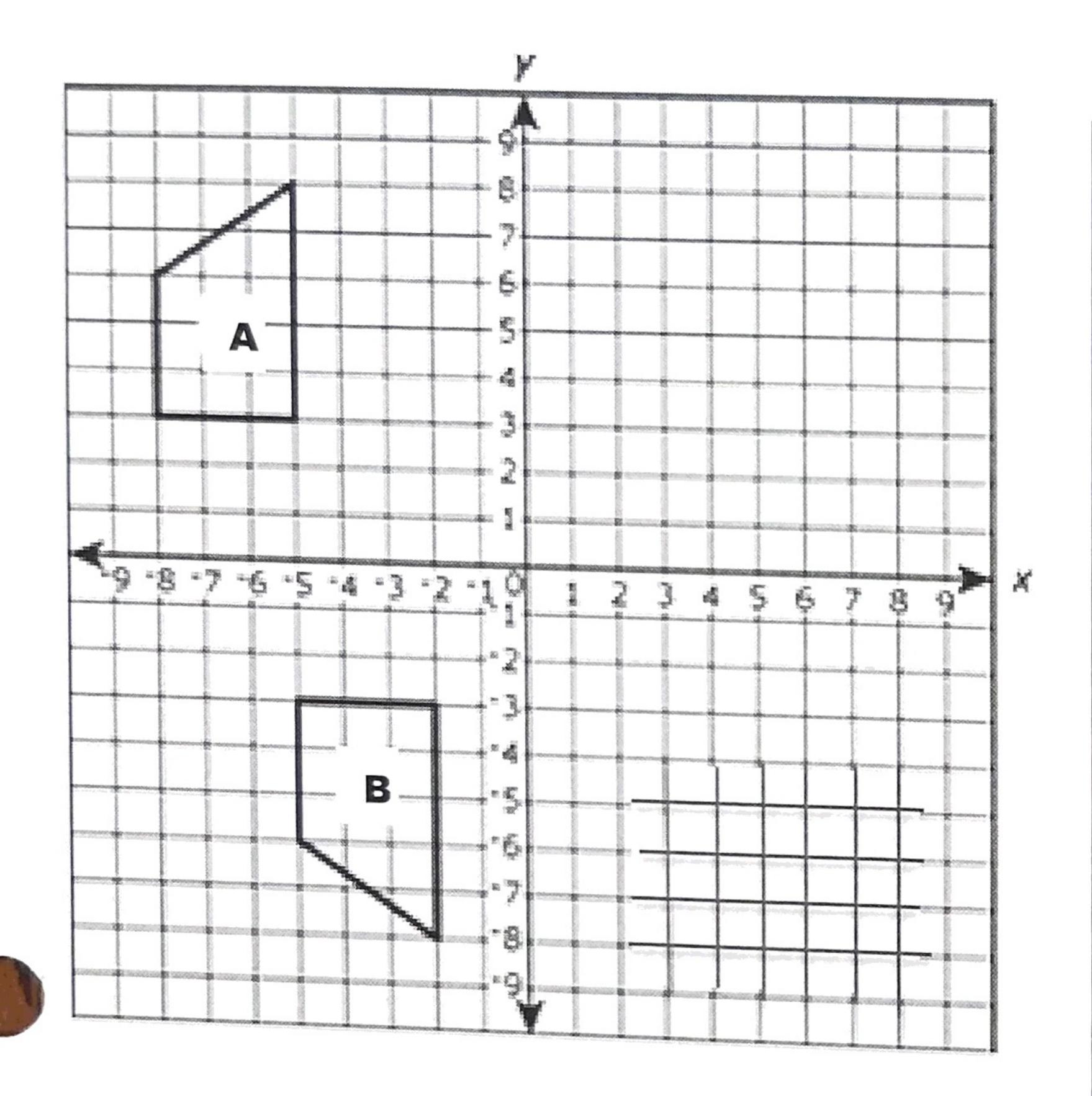
Step 1) Reflect it over the y – axis

Step 2) Rotate the resulting image 180° around the origin.

Label the image with correct prime notation.

C. Practice Giving Directions

For each picture below, describe a sequence of transformation that shows that polygon A is congruent to polygon B.

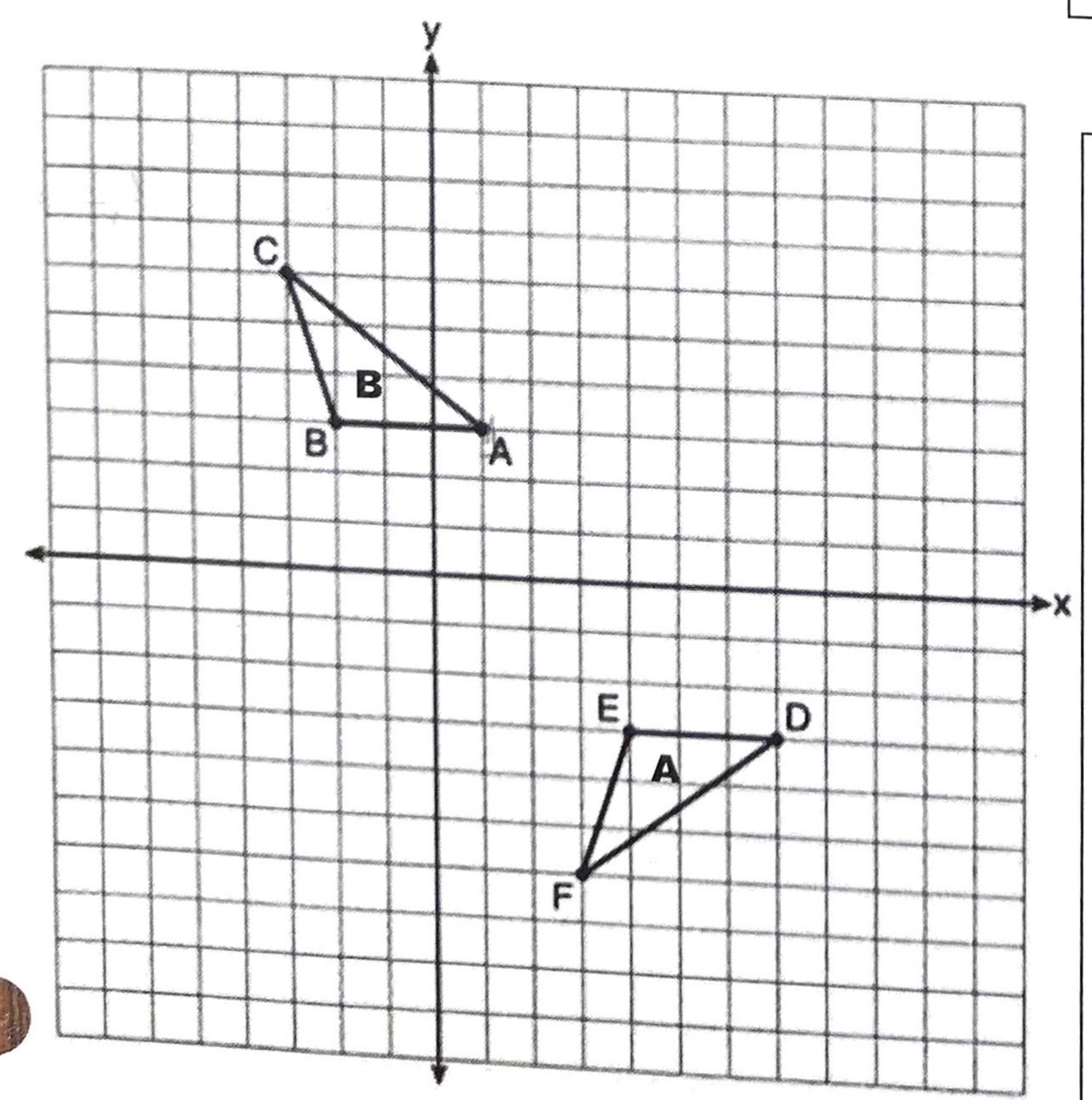


Directions: Start at A

(1)

2

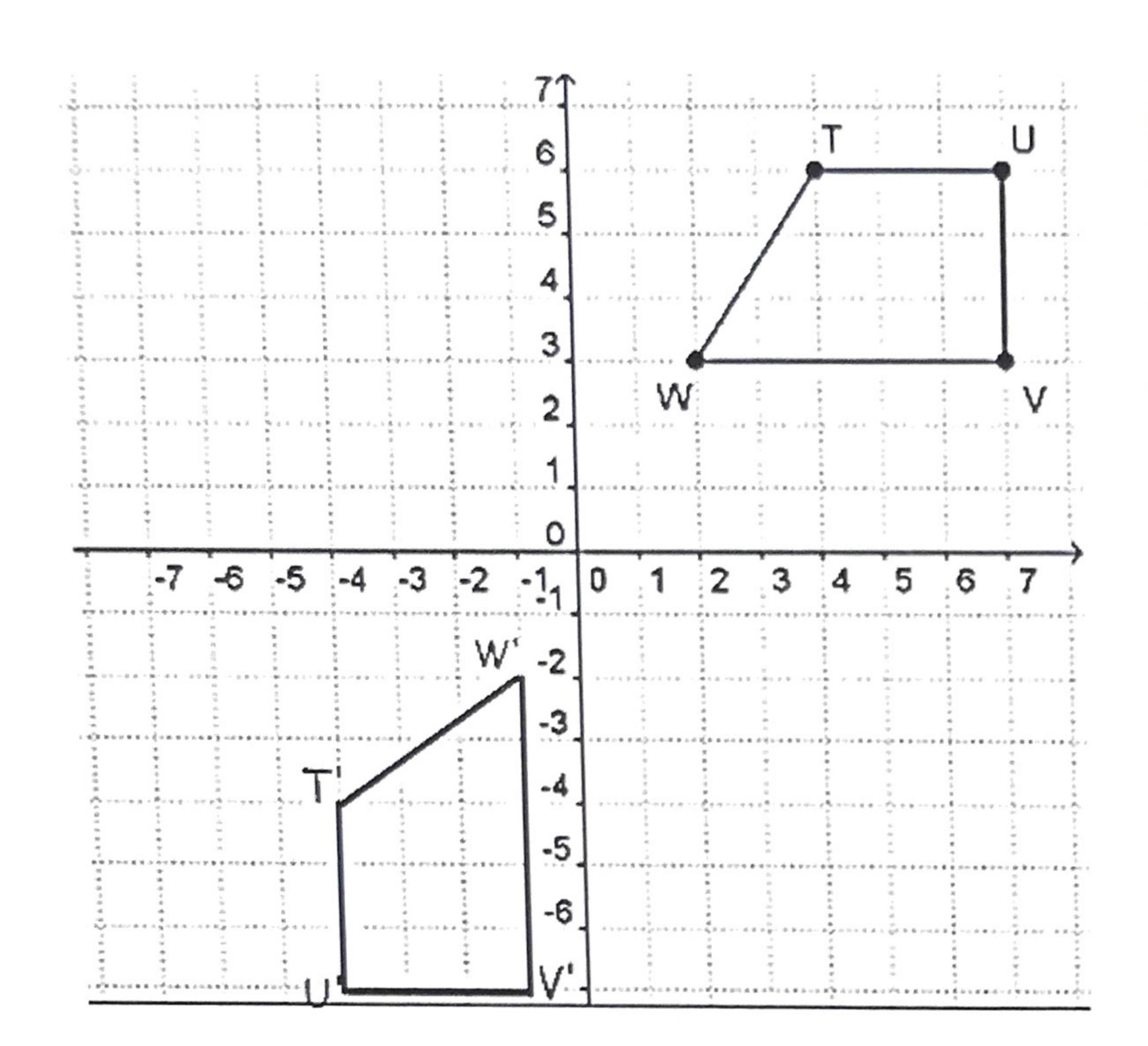
Have a partner try to follow your directions. Make any corrections if needed.



Directions:

Have a partner try to follow your directions. Make any corrections if needed.

Figure out which one is the pre-image!!!!



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1)	1	re	~1	ri.	0	n	C	6
\cup	1		U	u	U	,,	2	

Have a partner try to follow your directions. Make any corrections if needed.